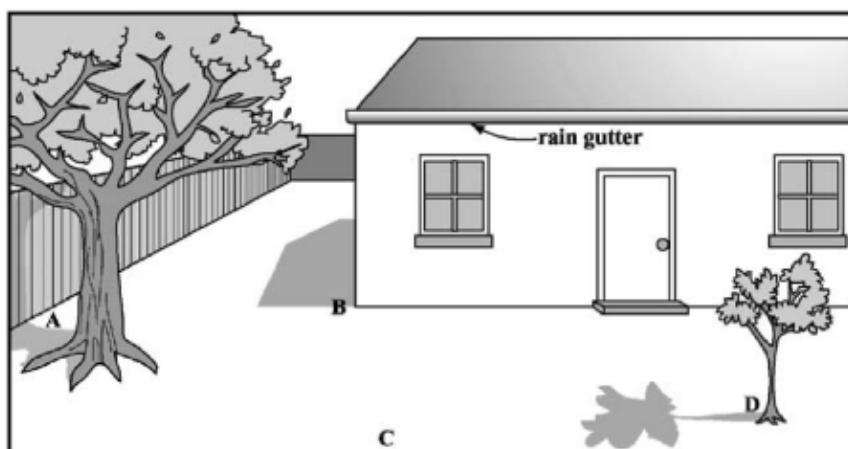




**Science Grade 5  
Scoring Guide for  
Released Item #10  
Dominique Rain Gauge  
Fall 2006**



ANSWER THE FOLLOWING CONSTRUCTED-RESPONSE ITEM IN YOUR ANSWER DOCUMENT.



**10 Constructed-Response**  
**(3 points)**

Dominique must choose a place to put her rain gauge.

- Which location in the picture (A, B, C or D) is the **BEST** location for her rain gauge? Explain your choice.
- Choose and record one of the remaining locations and explain why it is **NOT** a good location for the rain gauge.

**NOTHING WRITTEN IN THIS TEST BOOKLET WILL BE SCORED.**

## Science Rubric for Dominique's Rain Gauge

Dominique must choose a place to put her rain gauge.

- Which location in the picture (A, B, C or D) is the **BEST** location for her rain gauge?  
Explain your choice.
- Choose and record one of the remaining locations and explain why it is **NOT** a good location for the rain gauge.

### Sample Response:

Location C is the best because it is in the open and won't be affected by the trees or the house.  
Location A is a bad location because rainfall can be affected/blocked by the fence and/or the tree.

Location B is a bad location because rainfall can be affected/blocked by the house/gutter OR the rainfall that hits the roof will run into the gutter and the rain gauge would be directly under the gutter.

Location D is a bad location because rainfall can be affected/blocked by the tree.

### Scoring Guide:

- |   |  |
|---|--|
| 3 | The student correctly identifies/chooses location C, explains that it will not be affected by surrounding objects and correctly explains why one of the other locations is not appropriate.  |
| 2 | The student correctly identifies/chooses location C and explains that it will not be affected by surrounding objects but fails to or illogically explains why one of the other locations is not appropriate.<br>OR<br>The student correctly chooses C but does not provide an explanation AND correctly explains why one of the other locations is not appropriate.<br>OR<br>The student indicates that the rain gauge needs to be placed in an open area but does not identify a location AND explains why it should not be placed next to an object(s) in the picture. |
| 1 | The student correctly chooses location C.<br>OR<br>The student indicates that the rain gauge needs to be placed in an open area<br>OR<br>The student correctly explains why one of the locations in the picture is not appropriate.<br>OR<br>The student correctly identifies one of the locations in the picture that is not appropriate.   |
| 0 | The student fails to provide any correct information.  |

**Anchor Paper 1 – Score Point 3**

3 points I think that C is the best place to put the rain gauge because there is no trees or anything there to block the rain from coming down. A is not a good place for the rain gauge because there is a tree blocking it and most of the rain would just come down on the tree. That is why A is not a good place to put the rain gauge and why C is where you should put the rain gauge!

**Anchor Paper 1  
Score Point 3**

The student correctly chooses location C and explains (...there is no trees or anything there to block the rain.) The student also correctly explains why one of the other locations is not appropriate. (A ...because there is a tree blocking it...).

**Anchor Paper 2 – Score Point 3**

3	3 points	C is a good place to put it because it is in the open. A is not a good place because the tree is in the way of the rain falling.

**Anchor Paper 2  
Score Point 3**

The student correctly chooses location C and explains (...it is in the open.). The student also correctly explains why one of the other locations is not appropriate. (A ...the tree is in the way of the rain falling.)

**Anchor Paper 3 – Score Point 3**

3 points I think it is C because it is in the middle of the yard.  
I choosed A Because it is near a tree.

**Anchor Paper 3  
Score Point 3**

The student correctly chooses location C and explains (...it is in the middle of the yard.). The student also correctly explains why one of the other locations is not appropriate. (A ...it is near a tree.)

**Anchor Paper 4 – Score Point 3**

3 points The rain gauge is best for C, because it is out in the open. If it rains it will get the quite amount of rain. A is not a good place for a rain gauge, because it will not get the right amount of rain.

**Anchor Paper 4  
Score Point 3**

The student correctly chooses location C and explains (...it is out in the open.). The student also correctly explains why one of the other locations is not appropriate. (A ...it will not get the right amount of rain.)

**Anchor Paper 5 – Score Point 3**

3 points

Dominique should put his rain gauge somewhere near nothing. It can give an accurate reading. You shouldn't put it by a water spout because it won't give an accurate reading of rain.

**Anchor Paper 5  
Score Point 3**

The student correctly identifies location C (...somewhere near nothing...) and explains (...it can give an accurate reading.). The student also correctly explains why one of the other locations is not appropriate. (...shouldn't put it by a water spout because it won't give an accurate reading....).



**Anchor Paper 6 – Score Point 2**

3 points He should put the rain gauge in spot C because it will give a acceryet mesurment because it is out in the open.

**Anchor Paper 6  
Score Point 2**

The student correctly chooses location C and explains (...it will give a acceryet mesurment....).The student failed to explain why one of the other locations is not appropriate.

**Anchor Paper 7 – Score Point 2**

<div>3 points</div>	C. Would Be the Best
	Place to Put the rain gauge,
	if you put it under a tree it will
	be a lot less accurate.

**Anchor Paper 7  
Score Point 2**

The student correctly chooses location C but does not provide an explanation. The student correctly explains why one of the other locations is not appropriate. (...under a tree it will be a lot less accurate.)

**Anchor Paper 8 – Score Point 1**

3 points

I think the rain gutter because when it rains the rain goes into the gutter and it can measure. A bad location to put the rain gauge is under the tree because if you put it there the rain cannot go in the rain gauge because the tree would be blocking the rain from going in it.

**Anchor Paper 8  
Score Point 1**

The student does not identify or choose location C as the best location for the rain gauge. The student correctly explains why one of the other locations is not appropriate. (A bad location ...is under a tree because...the rain cannot go in...because the tree would be blocking the rain from going in it.)

**Anchor Paper 9 – Score Point 1**

3 points

I think that D is a good place to put the rain gauge. Nothing is blocking it, so it will measure more rain. B is the worst answer. Sure it's next to the rain gutter, but it will get too much rain.

**Anchor Paper 9  
Score Point 1**

The student does not identify or choose location C as the best location for the rain gauge. The student correctly explains why one of the other locations is not appropriate. (...B is the worst answer...it's next to the rain gutter, but it will get too much rain.)

**Anchor Paper 10 – Score Point 1**

3 points C is the best place because it has the most sunlight. A is the worst place because it has too much shade.

**Anchor Paper 10  
Score Point 1**

The student correctly chooses location C; however, (...it has the most sunlight...) is not explicit enough to imply that it is in the open. (A...has too much shade...) is not explicit enough to imply that the rain gauge is blocked.

3 points C - because then it will hit the  
slit

MDE/MEAP RELEASED ITEMS

**Anchor Paper 12 – Score Point 0**

3 points B it has the rain gutter directly  
up from it. That will give an accurate measure.

**Anchor Paper 12  
Score Point 0**

The student fails to provide any correct information. It is assumed that the first answer deals with the best location for the rain gauge. Therefore, while (*B it has the rain gutter directly up from it....*) would be correct for a bad location, it is not correct for the best location.

**Anchor Paper 13 – Score Point 0**

3 points I think that the rain gauge  
should go where the B is, because it  
would be next to the rain  
gutter. I think that C would not be a  
good place for the rain gauge, because  
it is just out in open space.

**Anchor Paper 13  
Score Point 0**

The student fails to provide any correct information.